Figure 1.

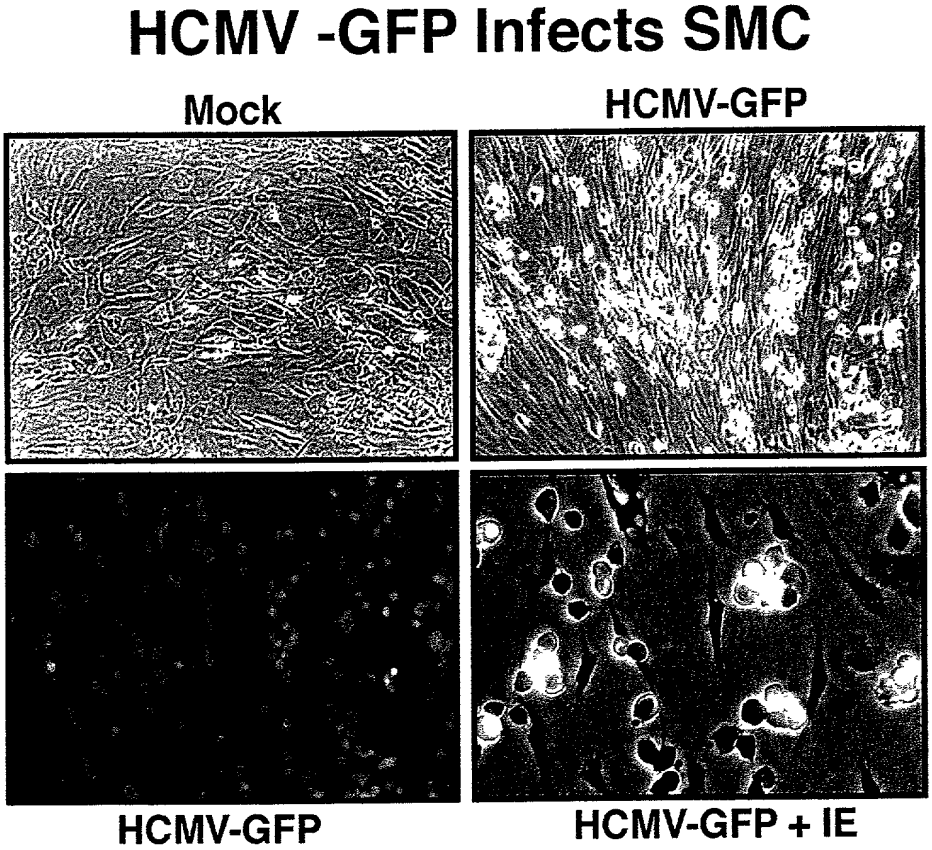
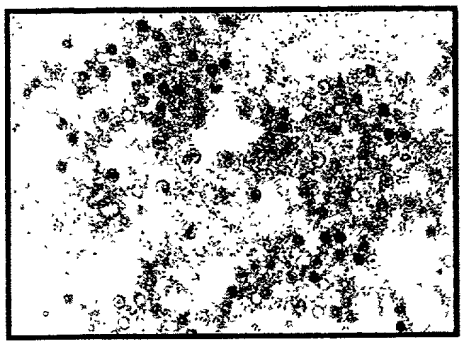
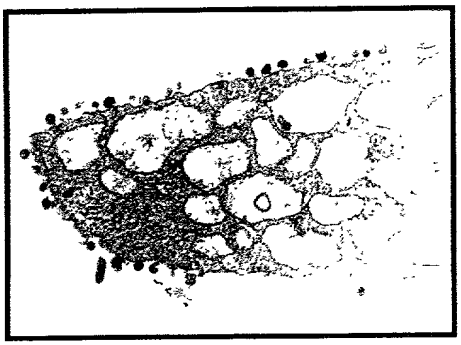


Figure 2.

Em of HCMV Infected SMC



SMC Nucleus



SMC Cytoplasm and Plasma Membrane

Figure 3.

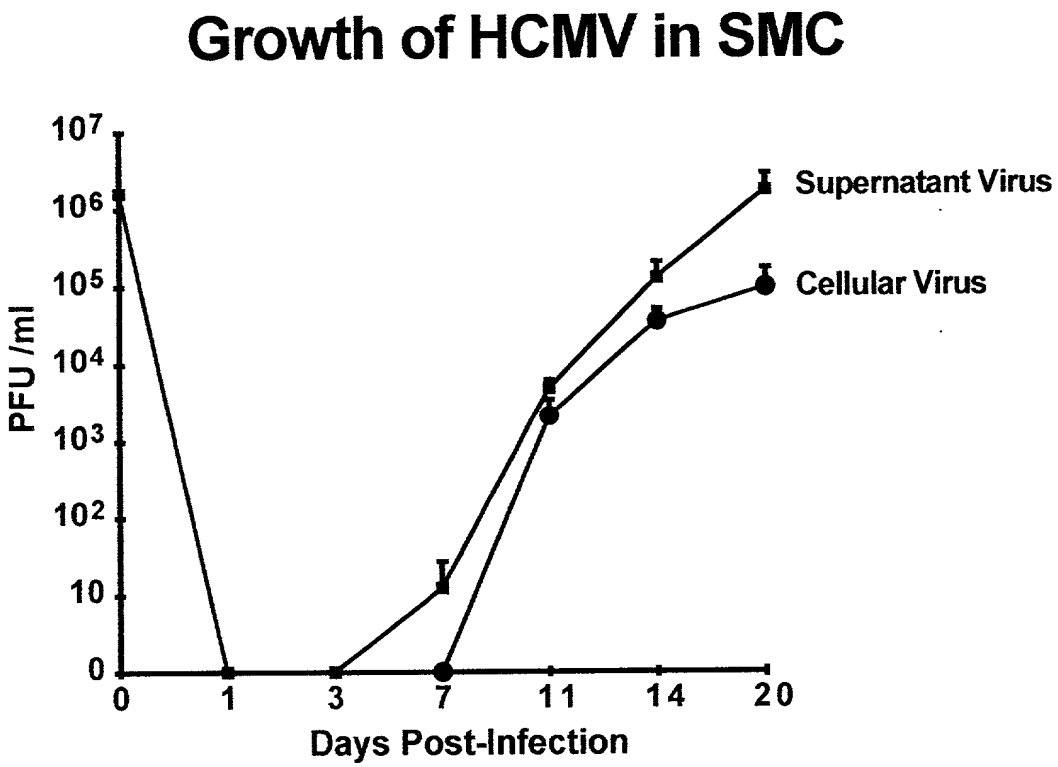

Growth of HCMV in SMC
PFU /ml
10^7
10^6
10^5
10^4
10^3
10^2
10
0
0
1
3
7
11
14
20
Days Post-Infection
Supernatant Virus
Cellular Virus

Figure 4.

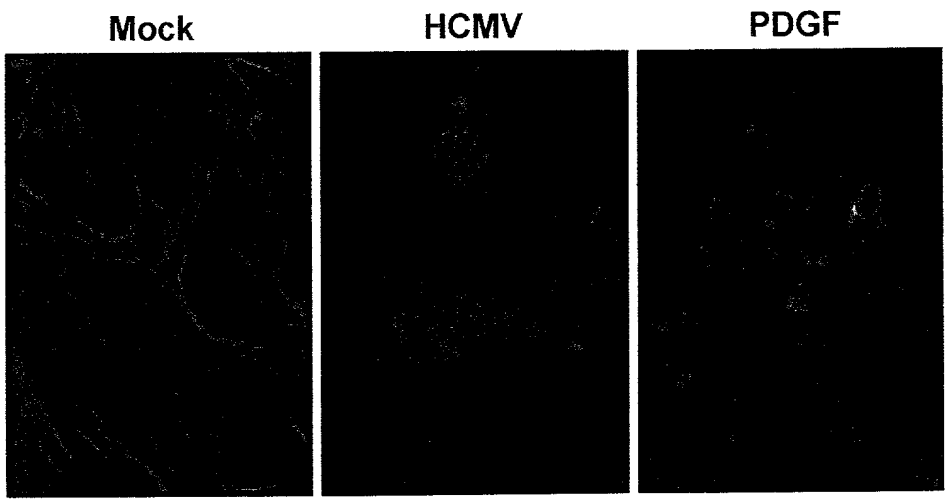


Figure 5.

Smooth Muscle Cell Migration Assay

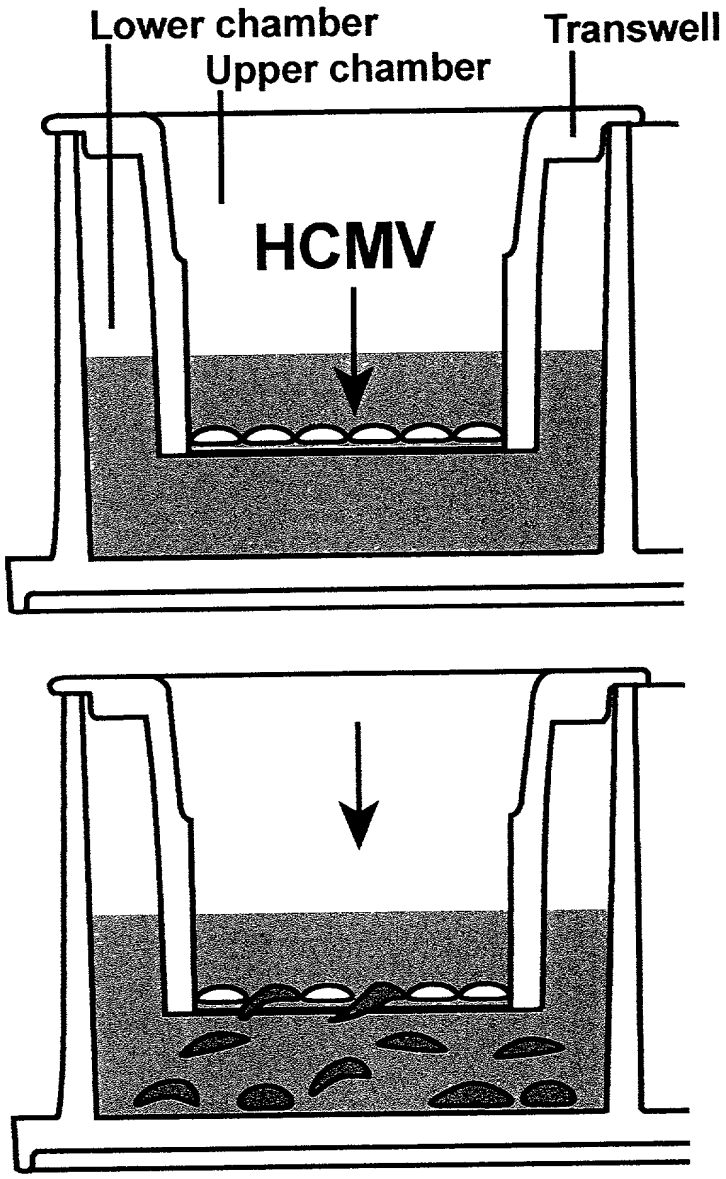


Figure 6.

Presence of HCMV In Migrating SMC

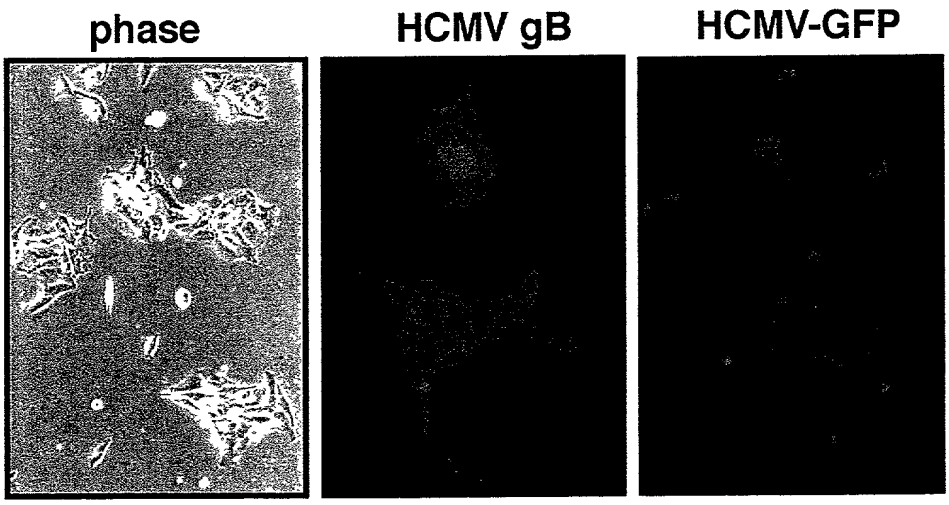


Figure 7.

HCMV Induces Migration of SMC

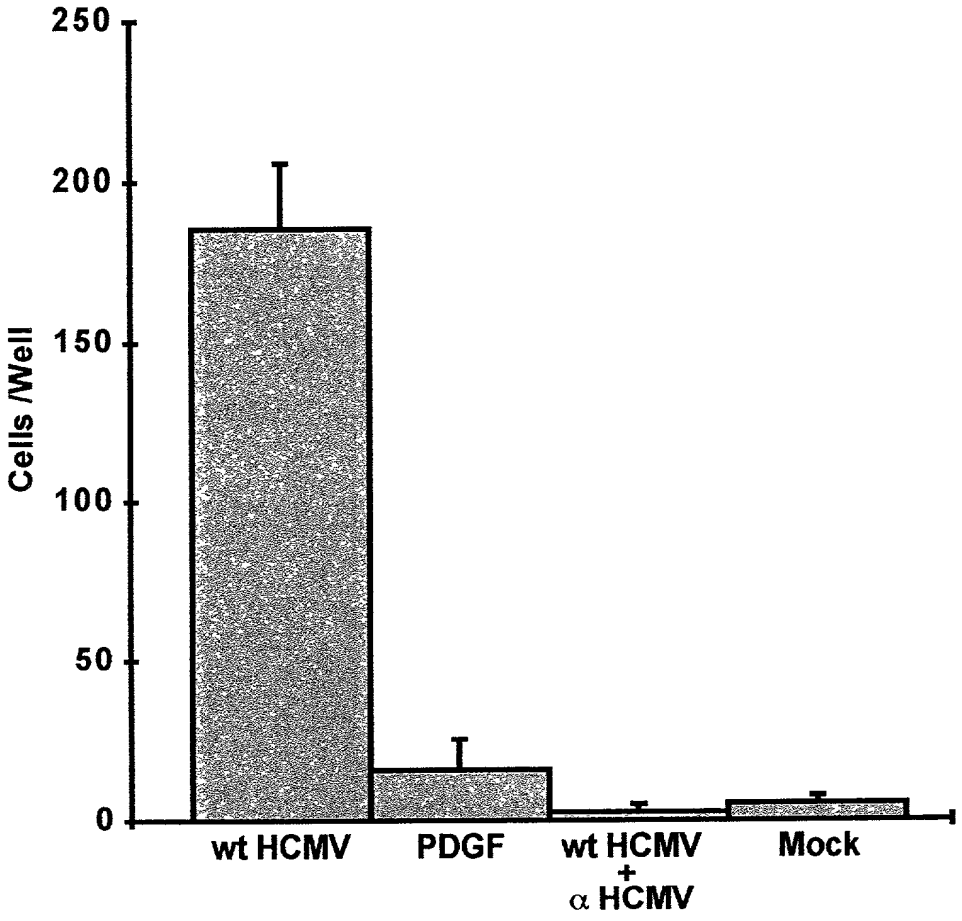


Figure 8.

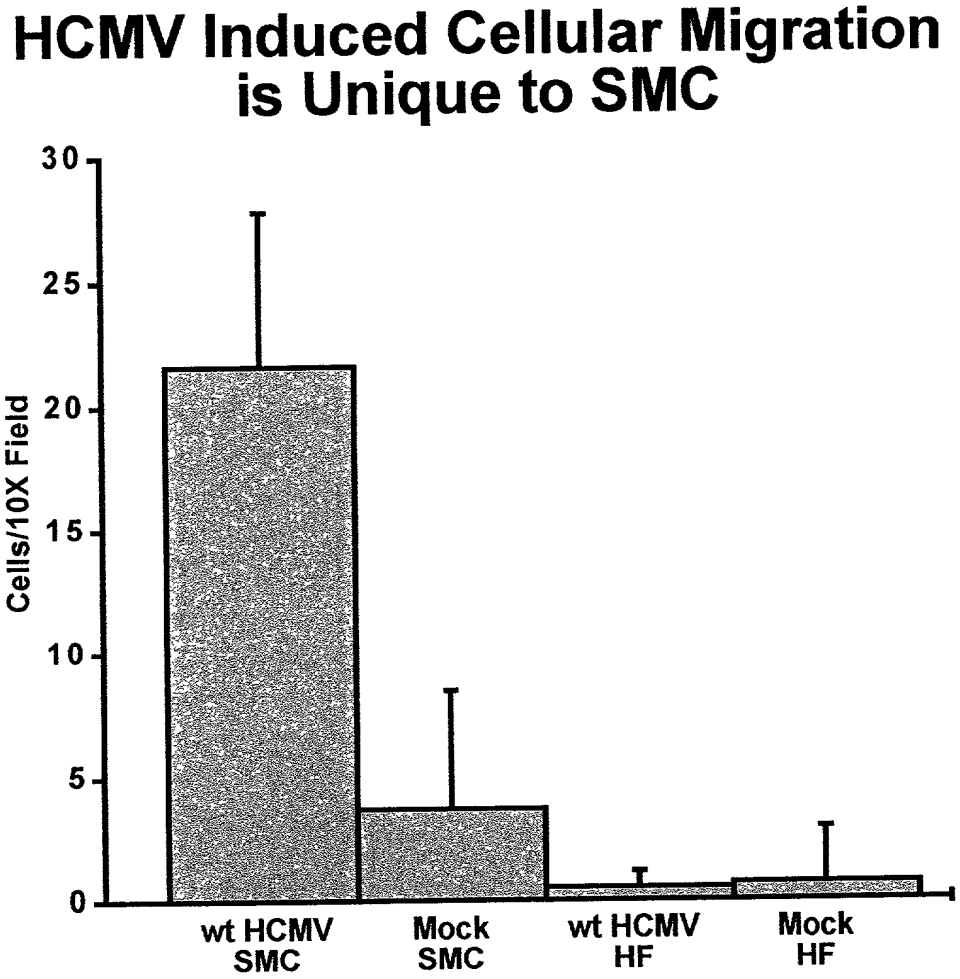

HCMV Induced Cellular Migration is Unique to SMC
Cells/10X Field
30
25
20
15
10
5
0
wt HCMV SMC
Mock SMC
wt HCMV HF
Mock HF

Figure 9.

HCMV Induced SMC Migration Requires De Novo Protein Synthesis

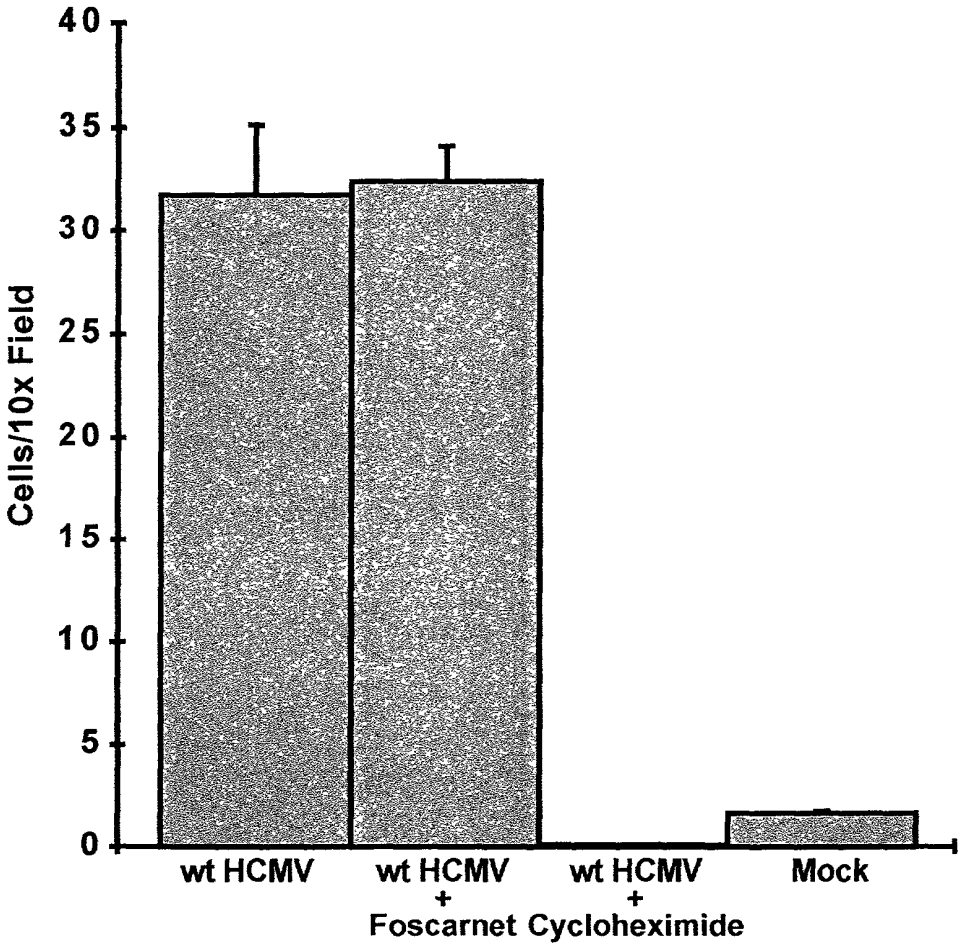


Figure 10.

GCR Related ORF's in the HCMV Genome

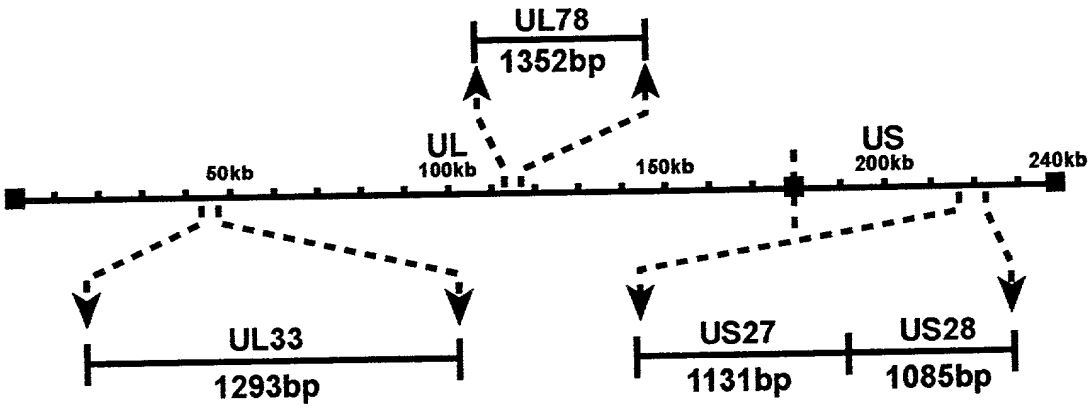


Figure 11.

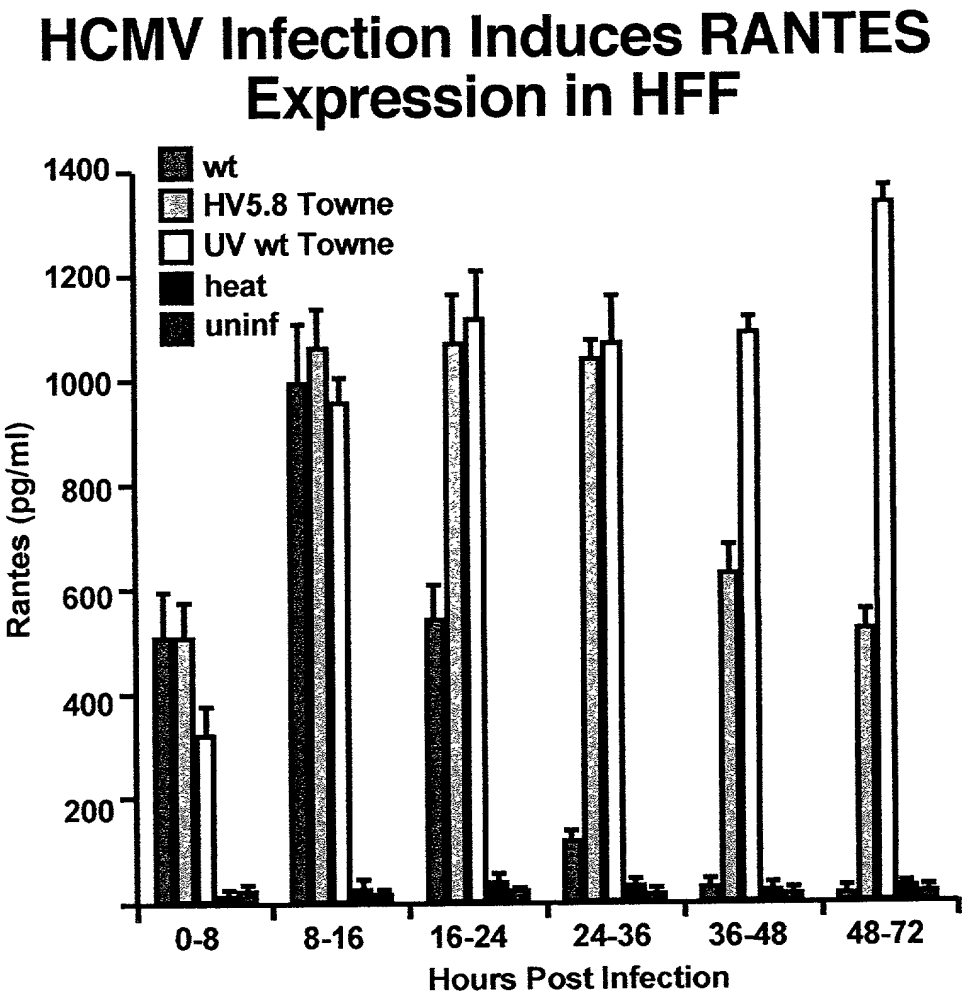

HCMV Infection Induces RANTES Expression in HFF
wt
HV5.8 Towne
UV wt Towne
heat
uninf
Rantes (pg/ml)
1400
1200
1000
800
600
400
200
0-8
8-16
16-24
24-36
36-48
48-72
Hours Post Infection

Figure 12.

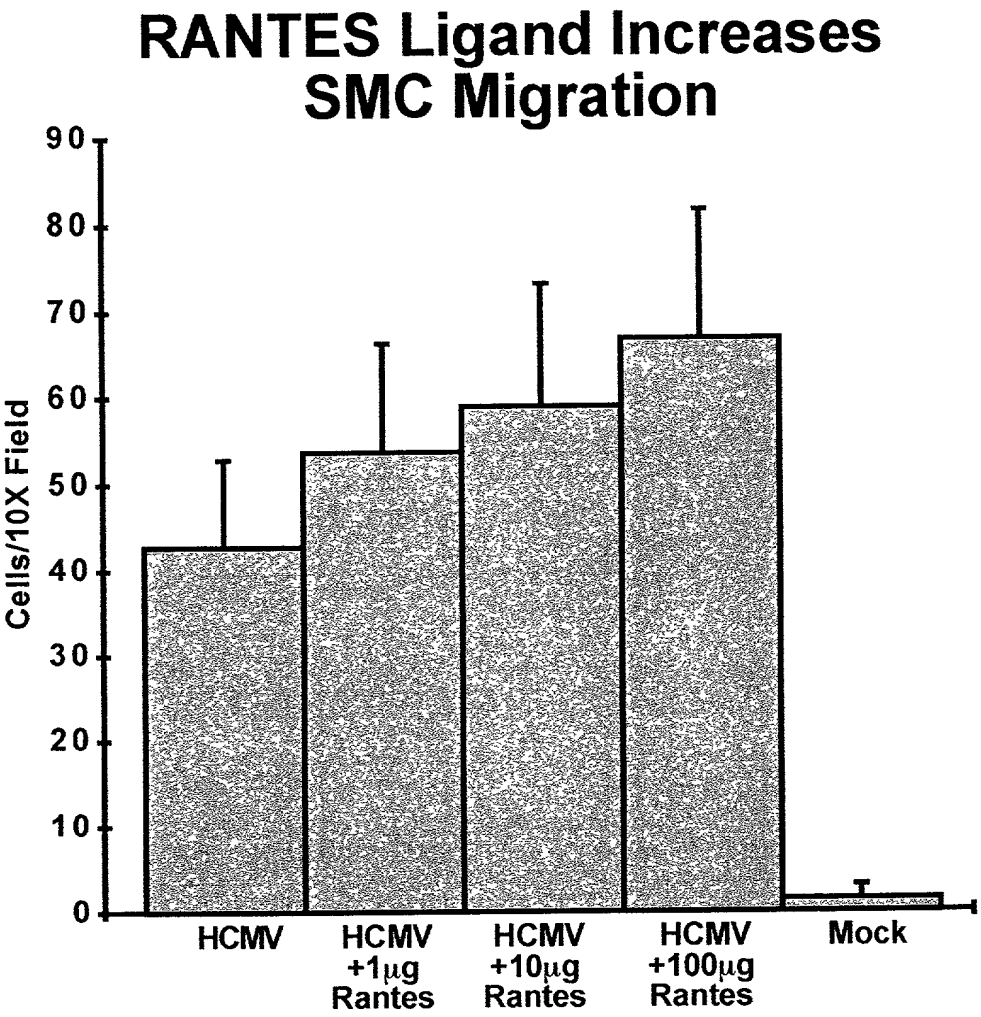

RANTES Ligand Increases SMC Migration
Cells/10X Field
90
80
70
60
50
40
30
20
10
0
HCMV
HCMV +1μg Rantes
HCMV +10μg Rantes
HCMV +100μg Rantes
Mock

Figure 13.

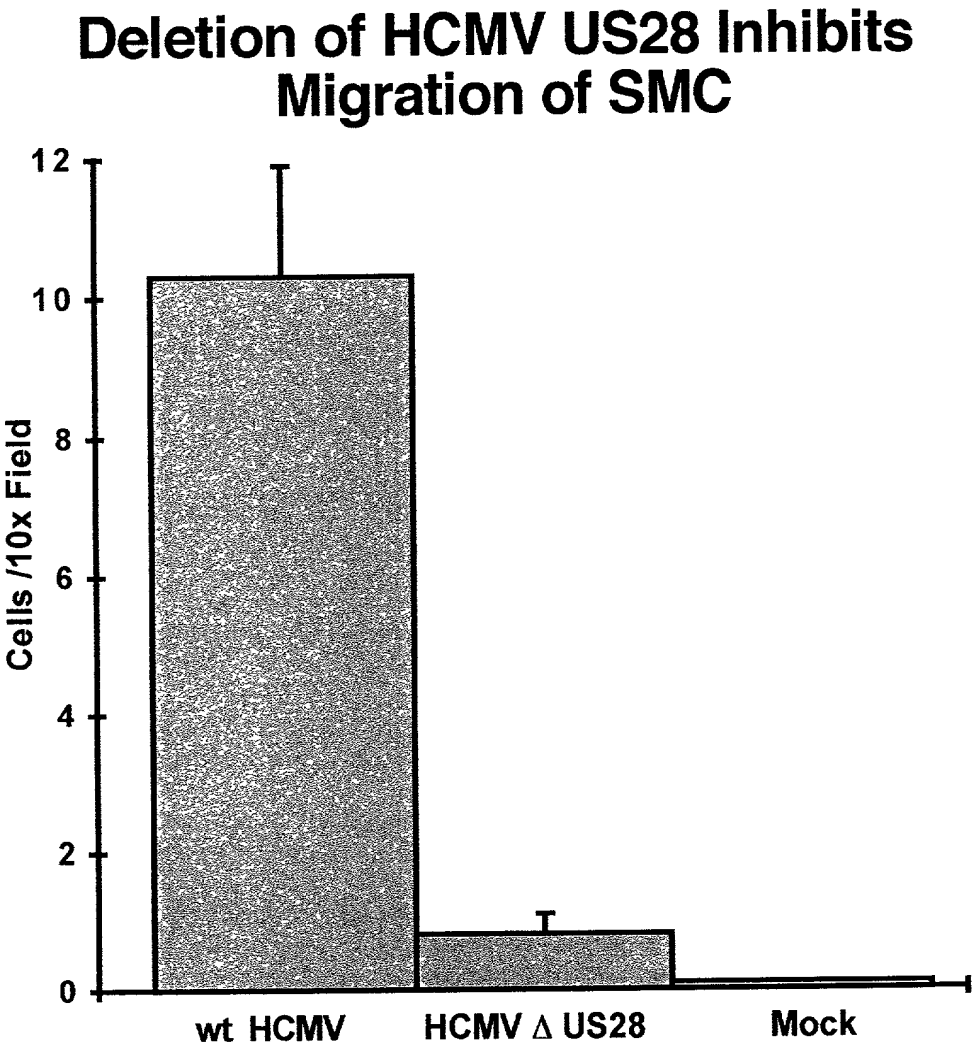

Deletion of HCMV US28 Inhibits Migration of SMC
Cells /10x Field
12
10
8
6
4
2
0
wt HCMV
HCMV Δ US28
Mock

Figure 14.

Construction of HCMV-GFP Recombinants

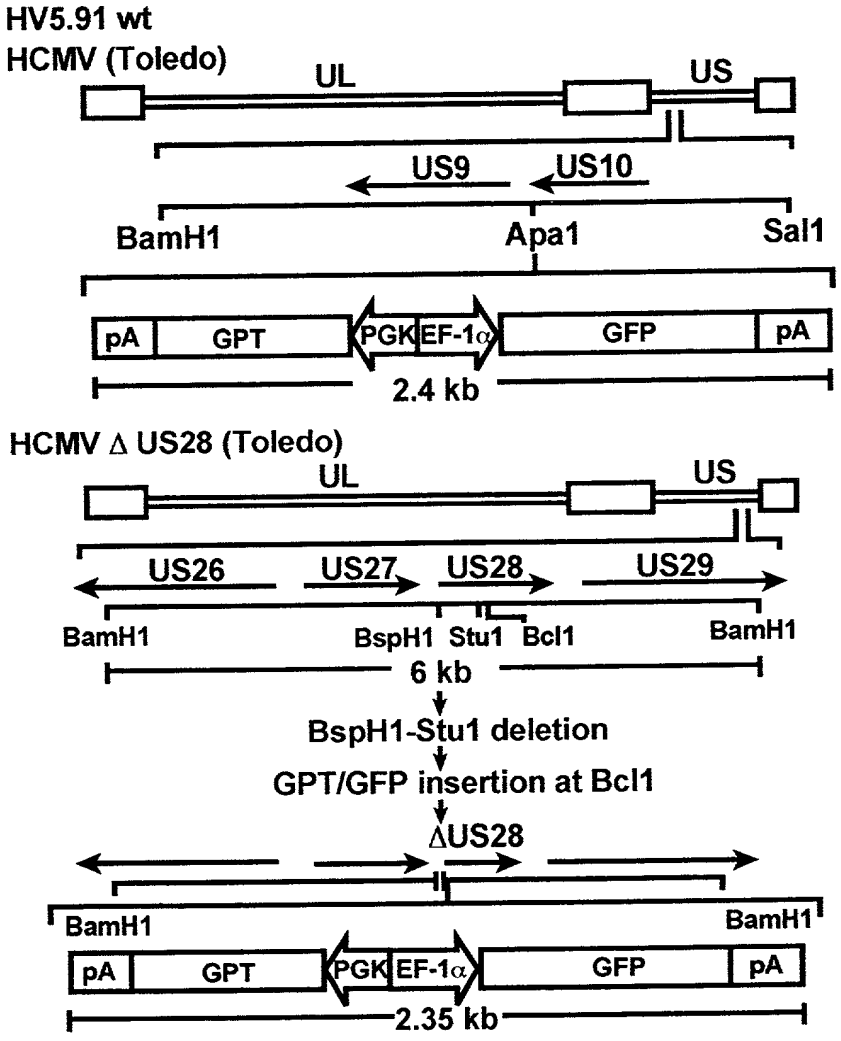


Figure 15.

US28-Induced SMC Migration is Sensitive PTK Inhibitors and Not Pertussiss Toxin